INTRAFRAME AND INTERFRAME INTERLACE CODING AND DECODING

ABSTRACT

Techniques and tools for encoding and decoding video images (e.g., interlaced

5   frames) are described. For example, a video encoder or decoder processes 4:1:1

format macroblocks comprising four 8x8 luminance blocks and four 4x8 chrominance

blocks. In another aspect, fields in field-coded macroblocks are coded independently

of one another (e.g., by sending encoded blocks in field order). Other aspects include

DC/AC prediction techniques and motion vector prediction techniques for interlaced

10   frames.